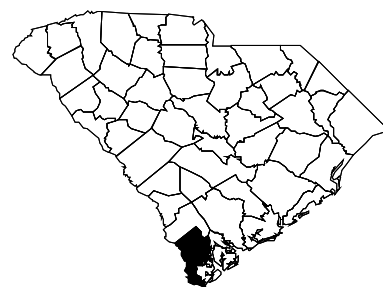


# IMPACT OF CHRONIC CONDITIONS JASPER County, 2005



In the year 2005, the leading causes of death among South Carolinians were heart disease, cancer, stroke, accidents, chronic lower respiratory disease, Alzheimer's disease, diabetes, nephritis, nephritic syndrome, nephrosis, pneumonia and influenza and septicemia. This report focuses on the chronic conditions of the population of Jasper county, and is compared to the overall chronic conditions of the population of South Carolina as a whole.

The distribution of Jasper county's population is similar to the state population. The majority (40%) of the population in Jasper county are between the ages of 18-44, and there are more males (53%) than females (47%). However, Jasper county has a higher minority population (53%) than the state (31%). When adults in DHEC's Region 8, which includes Jasper County, were asked about their general health status, 84.8% reported having excellent, very good, or good health in 2005 (SC was 82%).

	JASPER COUNTY	STATE
<b>Population size</b>	21,398	4,255,083
<b>Age distribution (%)</b>		
<18	25	24
18-44	40	38
45-64	23	25
65-84	9	11
85+	2	2
<b>Race (%)</b>		
White	48	69
Black & Other	52	31
<b>Sex (%)</b>		
Male	54	49
Female	46	51

In spite of the overall reports of good health given by the citizens of the Palmetto State, chronic conditions are still making an impact on the health of many South Carolinians. Through primary and secondary prevention we hope to reduce the risk factors that contribute to the major chronic diseases and leading causes of death among South Carolinians.

The chart below contains the risk factors that contribute to an increased risk of developing a chronic condition. These risk factors are related to the major causes of morbidity and mortality among South Carolinians. Some common behavioral risk factors that contribute to the leading causes of death are smoking, sedentary lifestyle, obesity, and high cholesterol. The prevalence of these risk factors from the 2005 South Carolina Behavioral Risk Factor Surveillance System (BRFSS) survey are listed in the table below for Jasper County.

RISK FACTOR	COUNTY (%)	STATE (%)
Current smoking	20	22
Sedentary lifestyle	26	26
Overweight	59	65
High Cholesterol	33	37

Some preventive measures such as immunization were included in the 2005 SC BRFSS. For persons age 65 and older in South Carolina:

39.1% have not received the flu shot in the past 12 months

34.4% have never had the pneumonia vaccination

Hospital/ED data in the following tables include ONLY those cases treated in SC hospitals. Cases treated in hospitals outside of SC are NOT included.

<b>HYPERTENSION AND HYPERTENSIVE DISEASE</b>	<b>County</b>					<b>State</b>
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)	30.5	.	.	.	.	31.7
Number of hospitalizations	42	33	8	17	25	5,032
Crude rate of hospitalizations (per 100,000)	196	298	77	148	252	118
Median age of hospitalized patients	52	52	67	47	57	57
Total cost of hospitalization (\$)	760,400	551,800	208,600	379,200	381,200	109,400,500
Average length of hospital stay (days)	5	4	10	7	4	5
Number of ED visits	28	20	8	8	20	7,466
Crude rate of ED visits (per 100,000)	131	181	77	70	201	175
Median age of ED patients	52	50	57	52	52	52
Total cost of ED visits (\$)	37,700	25,800	11,900	14,200	23,500	9,929,000
Number of deaths**	1	-	1	-	1	423
Age-Adjusted Death rate (per 100,000)**	5	-	10	-	10	10

<b>DISEASES OF THE HEART</b>	<b>County</b>					<b>State</b>
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)*	3.8	.	.	.	.	4.1
Number of hospitalizations	250	149	100	122	128	60,901
Crude rate of hospitalizations (per 100,000)	1,168	1,345	969	1,065	1,288	1,431
Median age of hospitalized patients	67	62	67	62	72	67
Total cost of hospitalization (\$)	4,964,900	2,931,700	2,033,200	2,570,500	2,394,400	2,286,836,400
Average length of hospital stay (days)	4	4	3	4	4	5
Number of ED visits	15	14	1	7	8	12,989
Crude rate of ED visits (per 100,000)	70	126	10	61	80	305
Median age of ED patients	47	47	37	47	45	62
Total cost of ED visits (\$)	41,900	39,500	2,400	20,600	21,300	42,115,900
Number of deaths**	48	20	28	21	27	9,328
Age-Adjusted Death rate (per 100,000)**	239	203	293	228	240	218

<b>STROKE</b>	<b>County</b>					<b>State</b>
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)*	3.6	.	.	.	.	3
Number of hospitalizations	34	19	15	18	16	13,925
Crude rate of hospitalizations (per 100,000)	159	172	145	157	161	327
Median age of hospitalized patients	62	57	72	57	70	72
Total cost of hospitalization (\$)	605,100	356,800	248,300	372,100	233,000	384,441,600
Average length of hospital stay (days)	7	10	4	9	5	6
Number of ED visits	7	5	2	4	3	2,515
Crude rate of ED visits (per 100,000)	33	45	19	35	30	59
Median age of ED patients	62	62	82	82	62	67
Total cost of ED visits (\$)	17,000	9,400	7,600	11,500	5,500	9,113,000
Number of deaths**	5	4	1	3	2	2,440
Age-Adjusted Death rate (per 100,000)**	23	36	10	32	14	59

CHRONIC OBSTRUCTIVE PULMONARY DISEASE	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	79	39	40	30	49	15,753
Crude rate of hospitalizations (per 100,000)	369	352	387	262	493	370
Median age of hospitalized patients	62	52	72	50	62	62
Total cost of hospitalization (\$)	984,400	510,700	473,700	404,000	580,400	268,425,300
Average length of hospital stay (days)	4	4	4	3	4	5
Number of ED visits	43	34	9	19	24	36,543
Crude rate of ED visits (per 100,000)	201	307	87	166	241	859
Median age of ED patients	27	17	32	7	30	37
Total cost of ED visits (\$)	42,100	28,500	13,600	19,700	22,400	40,613,700
Number of deaths**	5	1	4	1	4	1,968
Age-Adjusted Death rate (per 100,000)**	24	12	38	15	32	46

DIABETES	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)*	10.8	.	.	.	.	10.3
Number of hospitalizations	54	36	18	25	29	9,027
Crude rate of hospitalizations (per 100,000)	252	325	174	218	292	212
Median age of hospitalized patients	42	45	42	42	42	52
Total cost of hospitalization (\$)	928,500	528,700	399,800	322,300	606,200	179,747,700
Average length of hospital stay (days)	6	5	7	5	6	6
Number of ED visits	34	29	5	7	27	9,603
Crude rate of ED visits (per 100,000)	159	262	48	61	272	226
Median age of ED patients	37	42	37	37	37	52
Total cost of ED visits (\$)	54,300	46,500	7,800	9,500	44,800	13,447,300
Number of deaths**	4	3	1	2	2	1,183
Age-Adjusted Death rate (per 100,000)**	20	31	10	25	14	27

ALL CANCERS	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	49	28	21	23	26	16,389
Crude rate of hospitalizations (per 100,000)	229	253	203	201	262	385
Median age of hospitalized patients	62	62	62	62	62	62
Total cost of hospitalization (\$)	2,333,100	1,711,400	621,700	1,650,200	682,900	664,309,500
Average length of hospital stay (days)	10	13	6	15	6	8
Number of deaths**	42	22	20	19	23	8,617
Age-Adjusted Death rate (per 100,000)**	202	209	197	208	209	196

COLORECTAL CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	2	1	1	1	1	2,070
Crude rate of hospitalizations (per 100,000)	9	9	10	9	10	49
Median age of hospitalized patients	72	85	57	57	85	67
Total cost of hospitalization (\$)	55,300	30,900	24,400	24,400	30,900	101,377,700
Average length of hospital stay (days)	11	14	7	7	14	10
Number of deaths**	3	1	2	1	2	812
Age-Adjusted Death rate (per 100,000)**	15	12	20	12	20	19

BREAST CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	2	1	1	-	2	1,228
Crude rate of hospitalizations (per 100,000)	20	19	21	-	20	56
Median age of hospitalized patients	72	62	82	-	72	62
Total cost of hospitalization (\$)	41,400	16,300	25,100	-	41,400	26,163,000
Average length of hospital stay (days)	5	2	8	-	5	3
Number of deaths**	3	2	1	-	3	651
Age-Adjusted Death rate (per 100,000)**	28	33	23	-	28	26

CERVICAL CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	3	3	-	-	3	192
Crude rate of hospitalizations (per 100,000)	30	58	-	-	30	9
Median age of hospitalized patients	47	47	-	-	47	47
Total cost of hospitalization (\$)	75,400	75,400	-	-	75,400	4,668,500
Average length of hospital stay (days)	3	3	-	-	3	4
Number of deaths**	1	1	-	-	1	63
Age-Adjusted Death rate (per 100,000)**	7	13	-	-	7	3

LUNG CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	1	-	1	-	1	2,181
Crude rate of hospitalizations (per 100,000)	5	-	10	-	10	51
Median age of hospitalized patients	85	-	85	-	85	67
Total cost of hospitalization (\$)	6,700	-	6,700	-	6,700	92,775,300
Average length of hospital stay (days)	4	-	4	-	4	9
Number of deaths**	7	1	6	2	5	2,703
Age-Adjusted Death rate (per 100,000)**	33	8	58	19	42	61

PROSTATE CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	1	1	-	1	-	1,209
Crude rate of hospitalizations (per 100,000)	9	17	-	18	-	58
Median age of hospitalized patients	52	52	-	52	-	62
Total cost of hospitalization (\$)	11,900	11,900	-	11,900	-	30,356,600
Average length of hospital stay (days)	2	2	-	2	-	4
Number of deaths**	4	4	-	4	-	460
Age-Adjusted Death rate (per 100,000)**	47	88	-	47	-	30

\*Prevalence estimate at regional level

\*\*Mortality data were provided by Division of Biostatistics, Office of Public Health Statistics and Information Systems, DHEC using ICD-10 codes

All hospitalizations of Blacks include Blacks and Others.

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